Dentsply Sirona presents the new generation 5 of CAD/CAM software with OraCheck

By Dentsply Sirona

The possibilities offered by Primescan, Omnicam and CEREC are noticeably increasing with the new generation 5 software updates. Dentsply Sirona announced today that it has signed an agreement to acquire OraCheck. The new OraCheck 5.0 will enable Dentsply Sirona to offer patient monitoring before, during, and after treatment. Additionally, the updated Connect Software 5.1 now offers more digitally feasible treatment options, especially for orthodontics and implant dentistry. CEREC SW 5.1 brings the performance upgrade of CEREC generation 5 also to existing CEREC Omnicam units. All software updates will be available in October.

The acquisition of OraCheck and applicable updates of its software will enable Dentsply Sirona to provide dentists with a valuable tool for patient analysis. OraCheck offers advanced software and supplements conventional assessment with valuable three-dimensional information, developed for dental professionals to register and illustrate changes in the patient’s mouth over time. It is a key tool to analyze and follow-up examination. A comparison of the most recently scanned image with an image that was taken at a previous point in time facilitates precise assessment of any changes. The new generation of OraCheck is available for all scanners and carts running with the new Software Generation 5 of CEREC SW, Connect SW and CEREC Ortho 2.1.

Common start for OraCheck and new Software Generation 5

Dentsply Sirona is also launching the latest updates of CEREC SW and Connect SW as part of the new Software Generation 5. All software updates represent a new design and an upgraded, more user-friendly and intelligent interface. Generation 5 SW runs on all Primescan and Omnicam systems and requires Windows 10.

Depending on the hardware model, an upgrade might be required. “We are fulfilling an explicit request from customers and providing added value for dentists,” explained Dr. Alexander Völcker, Group Vice President CAD/CAM & Orthodontics at Dentsply Sirona. “We’re realizing our idea that any dental workflow should start with an intraoral scan.”

OraCheck: more possibilities for dentists

In conjunction with a digital optical impression system, OraCheck is designed to visualize threedimensional changes on virtual optical scans on the computer. The changes could include movement, tilting as well as geometric changes to the surface.

Depending on the clinical situation as interpreted by the dental professional, these changes could be a hint for abrasion, swelling, recession, plaque build-up and change of tooth position.

Connect Software 5.1: expanded options

The updated Connect SW 5.1 enables a guided scan with Omnicam and more accurate results when scanning the whole jaw compared to software generation 4. It now offers expanded scan options for aligners, splints, individual impression trays as well as improvements of scan quality for Primescan and Omnicam. For new customers, the Connect Software 5.1 is supplied with every intraoral scanner.

CEREC Software 5.1: improved scanning accuracy

The updated CEREC Software 5.1 for fabricating chairside restorations has undergone numerous enhancements. The calculation of the 3D model and the quality of the pre-proposals for the restorations benefit from the precise scans of the Omnicam in combination with the CEREC SW 5.1. Automatic artifact removal and artificial intelligence-based algorithms – already introduced with CEREC 5.0 – will find their way into the previous generation CEREC AC. The ability to export STL files is always part of the software now.

“With Primescan, we took a huge step towards speed, accuracy and ease of use,” said Völcker. “With this new software generation, we have taken a further step in digital workflows: the indications have become more extensive, and clinical success can also be ensured in the long-term through monitoring.”

Due to different approval and registration times, not all technologies and products are immediately available in all countries.
One-year clinical specialisation course for selected wavelengths

**DUBAI, UAE**
Module 1  |  25-28 November 2020 (4 days)  |  Laser Safety, Laser Devices and Diode Lasers
Laser Safety Officer course | e-learning | Laser technique (Diode lasers) | High power Diode lasers (clinics) | Scientific background and clinical indications | Skill training every day of every clinical indication | Patient treatments (demonstrations)
**Hands on:** Pigmentation on soft tissue, gingivectomy and gingivoplasty, frenectomy, fibroma removal, crown lengthening, depigmentation, endodontic procedure- canal irradiation performed on sheep heads | Patient treatments (demonstrations)

**DUBAI, UAE**
Module 2  |  23-26 March 2021 (4 days)  |  Module Erbium Lasers
Erbium Lasers (clinics) | Laser technique (Erbium lasers) | Er:YAG and Er,Cr:YSGG | Scientific background and clinical indications | Skill training every day of every clinical indication | Patient treatments (demonstrations)
**Hands on:** Preparation in enamel and dentine, generation of a retentive surface, canal decontamination, apicectomy, soft-tissue cut with short pulses, soft-tissue cut with long pulses, open curettage, crown lengthening and bone preparation performed on sheep heads. | Patient treatments (demonstrations)

**AACHEN, GERMANY**
Module 3  |  12-15 December 2021 (4 days)  |  Combined Wavelengths Therapy Concepts & Mastership Exams
Laser therapy concepts with the use of 2 different wavelengths | Written multiple-choice exam | Oral Exam (presentation of 5 patient treatments cases with diode or Erbium lasers) | Graduation Ceremony, after successful completion of an examination at RWTH Aachen University | 600 hours total workload | Over the complete course duration: case documentation & discussions

The programme targets dentists who would like to specialise in certain wavelengths. Over the course of one year, participants are taught fundamental physical and technical knowledge, and how to recognise primary, secondary, and tertiary indications on 12 attendance days split into 3 modules held over 3 educational blocks. This programme concludes with an official certificate of RWTH Aachen University, and is offered in collaboration with the RWTH Aachen International Academy, the post graduate education wing of the University.

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200 days, 100 countries: Primescan users experience digital impressions in a completely new way

By Dentsply Sirona

It is standard practice to review feedback after a product has first been launched. Primescan, Dentsply Sirona’s new intraoral scanner, was introduced about 200 days ago. It provides dentists in more than 100 countries with a completely new experience of taking digital impressions. The feedback after the first months in practice shows that Primescan was able to meet and even exceed the high expectations of demanding users.

With Primescan, Dentsply Sirona presented the latest generation of intraoral scanners at the beginning of February in Frankfurt (Germany). It enables users to take a digital impression with very high accuracy. This has been substantiated by a study at the University of Zurich: Since the launch of this new intraoral scanner users in more than 100 countries have been using Primescan in their practices and reporting on their experiences.

For dentist Dr. Carlos Repullo from Sevilla, Spain, the perfect end result for the patient has top priority. For several years now, he has relied on the support of digital procedures such as CAD/CAM. From his point of view, the technology of intraoral scanners has developed enormously – this is especially true for Primescan. “The accuracy of the scan is remarkable. This also applies to the whole jaw scan, which can be taken in a very short time. This is exactly the quality that we need in practice. The handling must be simple, fast and safe, the function must be stable. The new intraoral scanner offers all this. Primescan does have a small disadvantage: ‘If the restoration does not fit now, I can no longer blame the technology.’”

Primescan meets very high quality standards

For quite some time, Dr. Mike Skramstad, dentist from Orono, Minnesota (USA), has been observing the development of intraoral scanners in the dental market. For a long time, no system was able to fully meet his high requirements in terms of accuracy, user-friendliness, speed, integration capability and possible applications. He also took a close look at Primescan in his practice. 200 days after the new intraoral scanner’s launch, he is now more than satisfied: “With the introduction of Dentsply Sirona’s Primescan, things have changed considerably. Scanning is very easy and more accurate than with the CEREC Omniscan. What impresses me most about Primescan is the accuracy of Primescan, especially for whole jaw scans. “With the new intraoral scanner Primescan, which also works with CEREC, I am bringing the treatment of my patients to a very high level. If the results were really good before, for me they are now even better. And everything is easy and relaxed – I don’t really want to put the scanner out of my hand anymore. I particularly like the operation via a touch surface. Since patient satisfaction is very important to me, I am especially pleased that patients ask specifically for this impression method and talk about it once they have experienced it themselves.”

Primescan user Dr. Carlos Repullo particularly appreciates the accuracy and speed of the scans.

Dr. Verena Freier, Primescan user from Dubai, says: “I am delighted that it is now even easier for dentists to take impressions with an intraoral scanner. The accuracy with which Primescan works convinces us in our daily work. This also enables us to deliver work at a high level. The automatic download from the Inbox of the Connect Case Center is a real time saver.”

Dr. Alexander Volcker, Group Vice President CAD/CAM and Orthodontics at Dentsply Sirona: “With a completely new technology, the high-frequency contrast analysis, Primescan enables our customers to achieve very high accuracy in every digital impression. This offers possibilities for using it in many indications. The positive feedback from users all over the world encourages us to drive the development in this area.”

Unless stated otherwise, all statements in this press release refer to a comparison of Dentsply Sirona products.

References

Primescan meets, Dr. Mike Skramstad’s requirements for accuracy, ease of use, speed, integration, and deployment.

Frankie Acosta is particularly pleased with the optimized processes and the high-quality of the impression.

“With Primescan, we are providing our customers with a technology that decisively improves digital impression taking in many points,” says Dr. Alexander Volcker, Group Vice President CAD/CAM and Orthodontics at Dentsply Sirona. “With a completely new technology, the high-frequency contrast analysis, Primescan enables our customers to achieve very high accuracy in every digital impression. This offers possibilities for using it in many indications. The positive feedback from users all over the world encourages us to drive the development in this area.”

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Dentsply Sirona World in Las Vegas is an absolute highlight of the dental industry, and this year was sold out weeks before the event. The successful concept also impressed thousands of participants – with a unique mix of clinical training units, presentations by more than 100 renowned dental experts, an inspiring exchange between colleagues, and a first-class entertainment programme.

One of the absolute highlights was the live treatments, which were streamed into the auditorium. For instance, Dr. Tarun Agarwal performed a full arch restoration using the Smartfix concept with the new Astra Tech Implant System. Dr. Erin Elliot presented a treatment for obstructive sleep apnoea. Dr. Meena Bannoum shared an orthodontic session with SureSmile with the audience.

The live treatments were frequently used as an opportunity for discussions about the topics that practitioners deal with in their practice routines. “It is precisely these interactions that are crucial to us,” said Don Casey, Chief Executive Officer of Dentsply Sirona. “We consistently direct our innovations to what our customers need in practices and labs. This is why we focus on entire workflows and solutions that integrate seamlessly with one another. Underlying these solutions is our commitment to R&D, into which we are investing more than $150 million US dollars this year alone. Over the past several years we invested close to one billion dollars – more than any other company in the dental industry.”

Specialist training: Personal and intensive

The advanced training programme offered a broad overview with more than 100 intensive workshops on a comprehensive range of topics and lectures in twelve different areas, such as implant dentistry, laboratory and hygiene, and presentations of new products and solutions by Dentsply Sirona. On the podium, dentists such as Dr. Karyn M. Halpenny, Dr. Todd Ehrlich, Dr. Sameer Puri, Jasmin Haley, Dr. Tarun Agarwal, and Shannon Pace Brinker, as well as many other well-known names of the industry, spoke about trends and developments.

For Dentsply Sirona it is certain. Continuous, professional clinical education is a factor to success for practices and laboratories. In addition, innovative product solutions and a close relationship with customers are part of the common goal which is bringing healthy smiles to more people through happy and healthy practices.

Astra Tech Implant System:

The development continues: Dentsply Sirona World proved again this year to be an excellent platform for getting first-hand knowledge of new products and solutions. The new Astra Tech Implant System is a further development of the Astra Tech Implant System, one of the best-documented implant systems on the market. The modified implant design brings significant improvements. The apical implant thread ensures that the desired primary stability can be achieved. Additionally, the handling for inserting the implant has been simplified. This innovation will be available starting October 2019 in the North American market and from the beginning of 2020 in Europe.

Digital, validated and successful workflows

Optimal X-ray diagnostics is the basis for almost all indications. With the three different Orthophos models with varying features, every user – whether general or specialized dentist – can use the latest X-ray technology for the specific needs of his or her practice. In the future, images created with the Orthophos S 3D and Orthophos SL 3D devices can also be used to plan treatment with SureSmile aligners. In conjunction with an optical scan, they were validated for use in the SureSmile Aligner and SureSmile Ortho software.

At the cutting edge of hygiene

Dentsply Sirona World focused extensively on this topic again this year with its own hygiene track, including presentations by Linda Harvey, Dr. Mia Geisinger, and Katrina Sanders. When it comes to hygiene, Dentsply Sirona offers a comprehensive product range that greatly simplifies treatment for patients and hygiene assistants. For example, the Nupro Freedom cordless prophylaxis handpiece allows uncomplicated and thorough tooth polishing with easy introral access and no annoying cables. The ultrasonic scaling system of the Cavition 900 series is the latest member of the Cavinton system family. The exclusive Stent-Mate 360 rotating handpiece allows easy handling without stopping, adjusting, and laboriously turning the ultrasonic probe during scaling treatment. The new digital operating system generates less heat and requires less water for improved patient comfort.

This year’s highlights:

Jerry Seinfeld and Zac Brown Band

The first-class entertainment programme has made Dentsply Sirona World an industry event that continues to thrill dental experts and dentists. This year, Dentsply Sirona surprised the participants with two special highlights. On the first evening, the world-renowned standup comedian, actor, screenwriter, producer, and author Jerry Seinfeld welcomed the audience to the evening event in the Mandalay Bay Resort and Casino. After an intensive day of advanced training, another highlight awaited the participants on Friday evening. Multiple Grammy Award-winning Zac Brown Band rocked the stage in a private concert.

As Dentsply Sirona World has ended, planning for the next one begins: Next year the successful congress will take place in Las Vegas again, this time at the Caesars Forum, October 1-3.

You can find more information on Dentsply Sirona World at: www.dentsplysironaworld.com.

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